

LISTING OF THE CLAIMS

1-12. (Cancelled)

13. (Previously Presented) A process for producing a recording medium for ink-jet recording having an ink-receiving layer comprising a particulate material on a base material, comprising the steps of:

grinding aluminum oxide particles of the  $\gamma$ -crystal structure and removing a coarse particle component by a separation treatment such that the average particle diameter of the aluminum oxide particles of the  $\gamma$ -crystal structure is at least 0.21  $\mu\text{m}$  and at most 1.0  $\mu\text{m}$ , and at least 90% of all particles of the aluminum oxide particles of the  $\gamma$ -crystal structure have a particle diameter of at most 1.0  $\mu\text{m}$ ; and

applying onto the base material the aluminum oxide particles of the  $\gamma$ -crystal structure subjected to the treatment of removing the coarse particle component with a binder,

wherein at least 90% by weight of the particulate material is the aluminum oxide particles of the  $\gamma$ -crystal structure, and

wherein the surface of the ink-receiving layer constitutes an outer surface of the recording medium.

14. (Previously Presented) The process for producing a recording medium for ink-jet recording according to claim 13, wherein the separation treatment is by a centrifugation method or by a filter.

15. (Previously Presented) The process for producing a recording medium for ink-jet recording according to claim 13, wherein the aluminum oxide particles of the  $\gamma$ -crystal structure are alumina obtained by heating and calcining boehmite or pseudoboehmite.

16. (Previously Presented) The process for producing a recording medium for ink-jet recording according to claim 13, wherein the mixing ratio of the aluminum oxide particles of the  $\gamma$ -crystal structure to the binder is within the range of from 1:1 to 30:1 by weight.

17. (Previously Presented) The process for producing a recording medium for ink-jet recording according to claim 13, wherein the grinding step is performed through at least one treatment selected from the group consisting of an ultrasonic treatment, a treatment by a homogenizer, a treatment by a ball mill, and a treatment by a nanomizer.